Index of Claims

| App | licati | on/C | ontrol | No. |
|-----|--------|------|--------|-----|
|-----|--------|------|--------|-----|

09/712,144

Examiner

Michael C. Wimer

Applicant(s)/Patent under Reexamination

BRAUN ET AL.

Art Unit

2828

| 1 | Rejected |
|---|----------|
| _ | Allowed  |

\_ (Through numeral)
Cancelled

Restricted

| Ŋ | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date     |  |              |          |                         |         | Cla                     | im  | Date         |   |       |          |          |  |                     |          | CI           | aim  | Date         |               |                 |  |       |            |                 |          |         |           |                         |           |         |                                    |
|----------|----------|----------|--|--------------|----------|-------------------------|---------|-------------------------|---|--------------|---|-------|----------|----------|--|---------------------|----------|--------------|--|--------------|---------------|-----------------|--|-------|------------|-----------------|----------|---------|-----------|-------------------------|-----------|---------|------------------------------------|
|          | ख        |          |  |              |          |                         |         |                         | T   |              |   |       |          | al       |  |                     |          |              |  |              |               |                 |  |       | al         |                 |          |         |           |                         |           |         |                                    |
| Final    | Original | 3/3/05   |  |              | 1        | 1                       | 1       |                         |   |              |   |       | Final    | gin      | 3/3/02   |                     |          |              |  |              |               |                 |  | Final | gin        |                 |          |         |           |                         | 1         |         | 1                                  |
| ᄪ        | ő        | ₩        |  |              | 1        |                         | 1       |                         |   | -            |   |       | 1        | Original | 8  |                     |          |              |  |              |               |                 |  | 证     | Original   |                 |          | i       |           |                         |           |         |                                    |
|          | 1        | <u> </u> | ├  | <u> </u>     | ╀        | ╄                       | ╀       | ╁                       | +   | -            |   |       | 10       | 51       | ┢  | $\vdash$            | +        | +            | +  | ╀            | ₩             |                 |  |       |            | $\dashv$        | +        | +       | +         | +                       | +         | +       | $\vdash\vdash$                     |
| $\vdash$ | 2        | ┝        | ├  |              | ╀╌       | ╁╌                      | ╁╌      | ╁                       | +   | -            |   |       | 10       | 52       | =  | $\vdash$            | +        | +            | +  | ╁            | ╁             | -+              |  |       | 101<br>102 | $\dashv$        | +        | +       | ╫         | +                       | ╁         | +       | ╁┤                                 |
| <u> </u> | 3        | ┢        | ┢  | ┝            | +        | ╁                       | ╁       | ╁                       | +   | $\dashv$     |   |       | 12       | 53       | =  | $\vdash$            | +        | +-           | +-   | +            | ╁             | $\dashv$        |  |       | 103        | $\dashv$        | $\dashv$ | +       | +         | +                       | +         | +-      | +                                  |
| $\vdash$ | 4        | ┢        | $\vdash$   | H            | ✝        | ✝                       | 十       | ╅                       | $^{+}$  | -            | _ |       | 13       | 54       | =  |                     | ╅        | +            | +  | ╁            | Н             | $\dashv$        |  |       | 104        | $\dashv$        | +        | +       | ╁         | +                       | +         | +       | $\vdash$                           |
| <u> </u> | 5        | <u> </u> | _  | ┢            | +        | t                       | ╆       | 十                       | †   | 7            | _ |       | 14       | 55       | =  | H                   | 十        | 十            | 十  | ╈            | Н             | $\vdash$        |  |       | 105        | $\dashv$        | $\dashv$ | +       | +         | $\dashv$                | $\top$    | +       | $\forall$                          |
|          | 6        | Г        | 一  |              | $\top$   | T                       | T       | T                       | Ť   |              |   |       | 15       | 56       | =  |                     | 7        | +            | $\top$   | T            |               | П               |  |       | 106        | $\neg$          | $\dashv$ | +       | $\dagger$ | +                       | $\top$    | 十       | $\forall$                          |
|          | 7        |          |  |              |          |                         | Τ       |                         | T   |              |   |       |          | 57       |  |                     | $\neg$   | T            |  | T            |               |                 |  |       | 107        | T               |          |         | 1         | 1                       | $\top$    | $\top$  | П                                  |
|          | 8        |          |  |              |          |                         | Γ       | $\perp$                 | Ι   |              |   |       | 16       | 58       | Ξ  |                     |          |              |  |              |               |                 |  |       | 108        |                 |          |         | I         |                         |           | $\perp$ |                                    |
|          | 9        |          |  | L            | _        | ┖                       | $\perp$ | $\perp$                 | 1   |              |   |       | 17       | 59       | =  |                     |          |              | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $oxed{oxed}$ |               |                 |  |       | 109        |                 |          |         | l         | $\perp$                 |           | $\perp$ |                                    |
|          | 10       |          |  |              | 1        | _                       | 丄       | $\bot$                  | 4   | _            |   |       | 18       | 60       | =  | $\Box$              | $\perp$  | $\perp$      | _  | ┸            |               |                 |  |       | 110        |                 |          | $\perp$ | $\perp$   | $\bot$                  | 4         | 丄       | Ш                                  |
|          | 11       | $\vdash$ | Ь—   | <u> </u>     | $\vdash$ | ╀                       | 1       | +                       | 4   | 4            |   |       | 19       | 61       | =  | _                   | _        | $\bot$       | $\bot$   | 1            | $\vdash$      | Ш               |  |       | 111        | $\square$       | $\perp$  | _ _     | 4         | 4                       | $\bot$    | $\bot$  | $\downarrow \downarrow \downarrow$ |
| <u> </u> | 12       | -        |  | -            | +-       | ┼-                      | ╀       | +-                      | +   | 4            |   |       | 20       | 62       | =  | $\vdash$            | -        | +            | +  | +-           | $\vdash$      | Щ               |  |       | 112        | $\square$       | $\dashv$ | +       | +         | +                       | +         | +       | +                                  |
|          | 13       | ⊢        | $\vdash$   | ⊢            | +-       | ╀                       | +-      | +-                      | +   | -            |   |       | <u> </u> | 63<br>64 | -  | $\vdash \vdash$     | +        | +            | +  | +            | +-            | $\vdash$        |  |       | 113<br>114 | $\vdash \vdash$ | +        | +       | +         | +                       | - -       | +       | +                                  |
|          | 15       | $\vdash$ | ⊢  | -            | ╫        | ╁                       | +       | +                       | +   | $\dashv$     |   |       | $\vdash$ | 65       | $\vdash$   | $\vdash$            | $\dashv$ | +            | +  | +            | -             |                 |  |       | 115        | $\vdash$        | +        | +       | ╁         | +                       | +         | +       | +                                  |
|          | 16       | ┢        | ┢  | ┝            | +        | ╁                       | +       | +                       | +   | $\dashv$     |   |       |          | 66       | $\vdash$   | $\vdash$            | +        | ┿            | +  | ╁            | +             | -               |  |       | 116        | Н               | $\dashv$ | +       | ╁         | +                       | +         | +       | +-                                 |
| $\vdash$ | 17       | _        |  | <del> </del> | +        | ╁                       | +       | ╁                       | +   | -            | _ |       | 21       | 67       | =  | H                   | $\dashv$ | +            | ╅  | ╁╴           | +             | Н               |  |       | 117        | $\dashv$        | $\dashv$ | ╁       | +         | +                       | +         | +-      | +                                  |
|          | 18       |          | $\vdash$   | ┢            | ╁        | †-                      | +-      | 1-                      | 十   | 1            |   |       | 22       | 68       | =  | H                   | -        | $\top$       | +  | $\top$       |               | Н               |  |       | 118        |                 |          | +       | $\dagger$ | ╅                       | +         | 十       | +                                  |
|          | 19       |          | T  | T            | T        | $\dagger$               | T       | ✝                       | $^{\dagger}$  | ┪            |   |       |          | 69       | T  | H                   | $\dashv$ | 十            | +  | ╈            | 1             | Н               |  |       | 119        | $\Box$          | $\dashv$ | ╅       | $\dagger$ | +                       | $\dagger$ | +       | +                                  |
| $\vdash$ | 20       | $\vdash$ | Г  | Т            | $\top$   | $\top$                  | 十       | T                       | $\top$  | 一            |   |       |          | 70       | <del>                                     </del> | Ħ                   | 十        | $\top$       | $\top$   | $\top$       | 1             | $\vdash$        |  |       | 120        | $\Box$          |          | $\top$  | $\dagger$ | +                       | $\top$    | $\top$  | T                                  |
|          | 21       |          |  |              | Т        | T                       | T       | T                       | 7   | $\neg$       |   |       |          | 71       | Ī  |                     |          |              | _  | 1            |               |                 |  |       | 121        |                 | $\neg$   | $\top$  | T         | $\top$                  | $\top$    | 1       | $\Box$                             |
|          | 22       |          |  |              |          |                         |         |                         | $\Box$  |              |   |       |          | 72       |  |                     |          |              |  |              |               |                 |  |       | 122        |                 |          |         |           |                         |           | I       |                                    |
|          | 23       |          |  |              |          |                         |         |                         |   |              |   |       | 23       | 73       | =  |                     |          |              |  |              |               |                 |  |       | 123        |                 |          | $\perp$ | $\perp$   | $\perp$                 |           | I       |                                    |
| <u> </u> | 24       |          | <u> </u>   | L            | $\perp$  | 1-                      | ┸       | _                       | 4   | _            |   |       | 24       | 74       | =  | Ш                   | _        | $\perp$      | _  | $\perp$      |               | Ш               |  |       | 124        |                 |          | $\perp$ | 4         | _                       |           | 上       | Ш                                  |
| <u> </u> | 25       | _        |  | L            | ↓_       | 4                       | ↓_      | 4                       | 4   | _            |   |       | 25       | 75       | =  | Ц                   | _        | 4            | _  | ╀-           | 1_            | Ш               |  |       | 125        |                 | _        | _       | 4         | _                       | 4         | ╀       | $\bot$                             |
| <u> </u> | 26       | <u> </u> | <u> </u>   | _            | ╀        | ╀                       | ╀       | +-                      | +   | -            | _ |       | <u> </u> | 76       | ⊢  | Н                   | $\dashv$ | 4            | - -  | 4-           | H             |                 |  |       | 126        |                 | _        | 4       | 4         | 4                       | _         | +       | +                                  |
| <u> </u> | 27<br>28 | H        | H  | ┝            | ╀        | +-                      | ╀       | ╁                       | +   | $\dashv$     |   |       |          | 77<br>78 | ⊢  | Н                   | +        | +            | - -  | ╀            | -             | Н               |  |       | 127        | $\dashv$        | +        | +       | +         | -                       | +         | +-      | ₩                                  |
| -        | 29       | $\vdash$ | ⊢  | ├            | ╫        | ╁╌                      | ╁       | +                       | +   | $\dashv$     | _ |       |          | 79       | ⊢  | Н                   | +        | +            | - -  | ╁            | +             |                 |  |       | 128<br>129 | $\vdash$        | $\dashv$ | +       | +         | +                       | +-        | ┿       | +                                  |
| <u> </u> | 30       | ├─       | -  | ⊢            | ╁        | ╁                       | ╁       | ╁                       | ╁   | +            | _ |       |          | 80       | $\vdash$   | Н                   | -+       | ┿            | +  | ╁            | Н             |                 |  |       | 130        | $\vdash$        | $\dashv$ | ┰       | +         | +                       | ╌         | +       | +                                  |
| $\vdash$ | 31       | -        | _  | ┢            | +        | ╁                       | t       | ╈                       | +   | ┪            |   |       |          | 81       | ╁  | H                   | $\dashv$ | +            | +  | +            | $\vdash$      |                 |  |       | 131        |                 |          | ╁       | +         | +                       | +         | +       | +                                  |
|          | 32       |          |  |              | +        | t                       | t       | +                       | $\dagger$   | 寸            |   |       |          | 82       | ╁─   |                     | $\dashv$ | 十            | +  | +            | Н             | _               |  |       | 132        | $\vdash$        | -        | $\top$  | +         | +                       | 十         | +       | +                                  |
|          | 33       | Г        |  | Г            | T        | T                       | $\top$  | T                       | +   | T            | _ |       |          | 83       | T  | $\Box$              | 十        | T            | ╅  | T            | $\Box$        |                 |  |       | 133        |                 | 十        | 十       | 1         | $\top$                  | +         | 十       | $\top$                             |
|          | 34       |          |  |              | $\Box$   | Ι                       | Γ       | $\perp$                 | 1   | J            | _ |       |          | 84       |  |                     |          | ╧            |  | Π            | $\Box$        |                 |  |       | 134        |                 | $\Box$   | $\top$  | T         | T                       | 1         | T       | $\sqcap$                           |
|          | 35       |          |  |              |          |                         | I       |                         | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$       |   |       |          | 85       |  |                     |          | $oxed{\Box}$ |  |              |               |                 |  |       | 135        |                 | $\Box$   |         | Ι         | $oldsymbol{\mathbb{T}}$ | I         | I       |                                    |
|          | 36       | L        |  | L            | 1        | L                       | L       | $\perp$                 | $\downarrow$  | _            |   |       | igwdow   | 86       | <u> </u>   | Ш                   |          |              |  |              | Щ             |                 |  |       | 136        |                 | $\bot$   | $\bot$  | $\perp$   |                         | Ţ         | $\perp$ | $\Box$                             |
|          | 37       | L        | Щ  | L            | $\perp$  | $oldsymbol{\downarrow}$ | L       | +-                      | 4   | $\downarrow$ |   |       |          | 87       | <u> </u>   | Щ                   | _        | 4            |  | 4            |               | Щ               |  |       | 137        | Ш               |          | $\bot$  | 4         | $\perp$                 |           | 丄       | Ш                                  |
| <u> </u> | 38       | <u> </u> | <del>                                     </del> | -            | ╀        | ┡                       | $\bot$  | +                       | +   | 4            |   |       | <u> </u> | 88       | <u> </u>   | $\vdash \downarrow$ | +        | +            | +  | +            | $\vdash$      | Щ               |  |       | 138        | $\square$       | _        | +       | +         | $\bot$                  | _         | +       | $\sqcup$                           |
| <u> </u> | 39<br>40 | $\vdash$ | $\vdash$   | $\vdash$     | +        | +                       | ╀       | +                       | +   | $\dashv$     |   |       | $\vdash$ | 89       | <u> </u>   | $\vdash$            | +        | +            | +  | +            | $\vdash$      | Н               |  |       | 139        | $\vdash \vdash$ | +        | +       | +         | +                       | +         | +-      | +                                  |
| 1        | 41       | =        | -  | -            | ╁        | +                       | ╁       | +                       | +   | +            | - |       | $\vdash$ | 90<br>91 | $\vdash$   | $\vdash$            | +        | +            | +-   | +-           | Н             | H               |  |       | 140<br>141 | $\vdash$        |          | +       | +         | +                       | +         | +       | +                                  |
| 2        | 41       | =        | $\vdash$   | -            | +        | +-                      | ╁       | +-                      | +   | $\dashv$     |   |       | $\vdash$ | 92       | $\vdash$   | $\vdash$            | +        | +            | +  | +            | $\vdash$      | $\dashv$        |  |       | 141        | $\vdash \vdash$ | +        | +       | ╁         | +                       | +         | 十       | +                                  |
| 3        | 43       | =        | Н  | $\vdash$     | 十        | $\vdash$                | t       | +                       | +   | +            | - |       |          | 93       |  | $\vdash$            | +        | +            | +  | +            | +             | $\vdash$        |  |       | 143        | $\vdash$        | +        | +       | +         | +                       | +         | 十       | +                                  |
| ┌╌       | 44       | Н        | П  | Т            | T        | t                       | T       | +-                      | +   | 十            |   |       | <b></b>  | 94       | $\vdash$   | $\vdash$            | $\top$   | $\top$       | 十  | $\top$       | H             | $\vdash \vdash$ |  |       | 144        | $\dashv$        | $\dashv$ | $\top$  | +         | 十                       | +         | +       | +                                  |
| 4        | 45       | =        | Г  | Г            | $\top$   | †                       | T       | +                       | T   | 7            |   |       |          | 95       |  |                     | 十        | 1            | 1  | $\top$       | T             |                 |  |       | 145        | $\dashv$        | $\top$   | $\top$  | $\dagger$ | $\top$                  | $\top$    | $\top$  | $\forall$                          |
| 5        | 46       | Ξ        |  |              |          |                         | I       | I                       | Ī   | J            |   |       |          | 96       |  |                     | $\Box$   | $\neg$       |  |              |               |                 |  |       | 146        | $\Box$          | $\top$   | $\top$  | +         | _                       | $\top$    | $\top$  | $\Box$                             |
| 6        | 47       | Ξ        |  |              |          |                         | I       | $oldsymbol{\mathbb{L}}$ | 1   |              |   |       |          | 97       |  |                     |          | I            | Ι  |              |               |                 |  |       | 147        |                 |          |         | 1         |                         |           | $\perp$ |                                    |
| 7        | 48       | Ξ        |  | L            |          | L                       |         | L                       | _[  | $\perp$      |   |       |          | 98       | 匚  |                     | $\bot$   | $\perp$      | $\bot$   |              | $\Box$        |                 |  |       | 148        |                 | $\bot$   |         | Ι         |                         |           | I       | $\Box$                             |
| 8        | 49       | =        | Щ  | ldash        | <u> </u> | ↓_                      | $\perp$ | 1                       | 4   | 4            | _ |       |          | 99       |  | $\Box$              | $\perp$  | 上            | 1  | $\perp$      | Ш             | Ш               |  |       | 149        | Ш               | $\perp$  | $\perp$ | 1         | $\perp$                 | $\perp$   | $\perp$ | $\Box$                             |
| 9        | 50       | =        |  |              | <u> </u> |                         |         | $\perp$                 |   |              |   | ::::: | L        | 100      |  | $\Box$              |          |              |  |              | $\perp \perp$ |                 |  |       | 150        |                 |          |         | L         | $\perp$                 |           |         |                                    |